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I hereby certify that this *Information Disclosure Statement* is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date, February 23, 2005.

Customer Number

24024

  
Karen Buzinski

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Williams et al.	)	Examiner:	E. Nicholson
		)		
Serial No.:	10/707,698	)	Art Unit:	3679
		)		
Filed:	August 15, 2003	)	Attorney Docket No.:	22188/06727
		)		
For:	<b>FERRULE WITH RELIEF</b>	)		
	<b>REDUCE GALLING</b>	)		

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A&B forms and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

**FOREIGN LANGUAGE DOCUMENTS**



In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents, together with that portion of the Communication indicating the degree of relevance found by the foreign patent office.

02/28/2005 SHINASS1 00000060 10707698

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- ☒ In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:  
English translation of Abstract enclosed. The DE patent 2735477 appears to show a device that requires the use of an additional seal element.
- ☐ Complete English translations of foreign language documents are being submitted herewith, and therefore no concise explanation for such documents is required.

**CERTIFICATION AND FEE PAYMENT INFORMATION**

- ☐ The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination under 37 C.F.R. § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required. If this is not the case, the patent office is hereby authorized to charge any related fee to **Deposit Account No. 030172**.
- ☐ The present Information Disclosure Statement is being filed thirty days or fewer from a Communication from a foreign patent office and Applicant submits the following Statement Under 37 C.F.R. § 1.704(d). Each item of information contained in the Information Disclosure Statement was cited in a Communication from a foreign patent office in a counterpart application and this Communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☐ The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicant submits the following Statement under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p) is required. If this is not the case, the patent office is hereby authorized to charge any related fee to **Deposit Account No. 030172**
- ☐ Each item of information contained in this information disclosure statement was cited in a Communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a Communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

INFORMATION DISCLOSURE STATEMENT

Attorney Docket No. 22188/06727

Appln. No. 10/707,698

☒ The present Information Disclosure Statement is being filed (without a Statement under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier). Accordingly, Applicant submits the fee required under 37 C.F.R. § 1.17(p). The fee is being paid in the following manner:

- ☒ A check is attached in the amount of \$180.00 as required under 37 § 1.17(p).
- ☐ The patent office is hereby authorized to charge the amount of \$\_\_\_\_\_ and any related fee to **Deposit Account No. 030172**

☐ The present Information Disclosure Statement is being filed after the mailing of a final Office Action, Notice of Allowance or an action that otherwise closes prosecution in the application, but on or before the payment of the issue fee. Accordingly, Applicant submits the following Statement under 37 C.F.R. § 1.97(e) along with the fee required under 37 C.F.R. § 1.17(p).

- ☐ Each item of information contained in this information disclosure statement was cited in a Communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a Communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

AND, the fee is being paid in the following manner:

- ☐ A check is attached in the amount of \$\_\_\_\_\_ as required under 37 § 1.17(p).

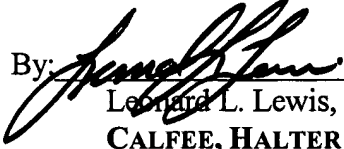
INFORMATION DISCLOSURE STATEMENT  
Appln. No. 10/707,698

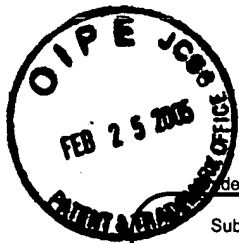
Attorney Docket No. 22188/06727

☐ The patent office is hereby authorized to charge the amount of \$\_\_\_\_\_ and any related fee to **Deposit Account No. 030172**

Respectfully submitted,

Date: Feb. 8, 2005

By:   
\_\_\_\_\_  
Leonard L. Lewis, Reg. No. 31,176  
**CALFEE, HALTER & GRISWOLD LLP**  
1400 McDonald Investment Center  
800 Superior Ave.  
Cleveland, OH 44114-2688  
(216) 622-8683



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 7

**Complete if Known**

Application Number	10/707,698
Filing Date	August 15, 2003
First Named Inventor	Williams et al.
Art Unit	3679
Examiner Name	E. Nicholson
Attorney Docket Number	22188/06727

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 388,522	08/1888	Beauchemin	
		US- 1,323,705	12/1919	Lynch	
		US- 1,874,284	08/1932	Goodall et al.	
		US- 2,150,042	03/1939	Shultz	
		US- 2,171,217	08/1939	Kreidel	
		US- 2,179,127	11/1939	Lauer	
		US- 2,182,811	12/1939	Kocher	
		US- 2,437,632	03/1948	Wolfram	
		US- 2,506,838	5/1950	Leonard	
		US- 2,251,717	08/1941	Parker	
		US- 2,330,841	10/1943	Parker	
		US- 2,344,032	03/1944	Eden	
		US- 5,183,322	02/1993	Haruch	
		US- 2,463,707	08/1949	Matousek	
		US- 2,484,815	10/1949	Crawford	
		US- 2,579,529	12/1951	Woodling	
		US- 2,641,487	06/1953	LaMarre	
		US- 2,687,315	08/1954	Courtot	
		US- 2,701,149	02/1955	Kreidel et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		DE 2735477	02/1978	Sundholm		
		DE 4041679	06/1992	Voss		
		DE 4211498	10/1993	EM-Technik		
		DE 4219722	12/1993	Lehmann		
		DE 4238877	05/1994	Lehmann		

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Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2

of 7

**Complete if Known**

Application Number	10/707,698
Filing Date	August 15, 2003
First Named Inventor	Williams et al.
Art Unit	3679
Examiner Name	E. Nicholson
Attorney Docket Number	22188/06727

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,351,998	10/1994	Behrens et al.	
		US- 2,744,651	05/1956	Bredstchneider	
		US- 2,749,152	06/1956	Courtot	
		US- 3,075,793	01/1963	Lennon et al.	
		US- 3,103,373	09/1963	Lennon et al.	
		US- 3,120,696	02/1964	Lubkin	
		US- 5,482,232	01/1996	Ohmi et al.	
		US- 5,882,050	03/1999	Williams et al.	
		US- 3,250,550	05/1966	Lyon	
		US- 3,275,350	09/1966	Kody	
		US- 3,290,069	12/1966	Davis	
		US- 5,934,714	08/1999	Sugiyama et al.	
		US- 3,336,058	08/1967	Franck	
		US- 6,073,976	06/2000	Schmidt et al.	
		US- 3,445,128	05/1969	Teeters	
		US- 3,484,123	12/1969	van der Velden	
		US- 3,584,900	06/1971	Lennon et al.	
		US- 6,131,963	10/2000	Williams et al.	
		US- 3,707,302	12/1972	Hiszpanski	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		DE 4304534	08/1994	Lehmann		
		EP 071678	02/1983	Deere & Co.		
		EP 223185	05/1987	Norbert		
		EP 484091	05/1992	Crawford		
		EP 489289	06/1992	Parker		
		EP 528079	02/1993	Aerogroup		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 7

**Complete if Known**

Application Number	10/707,698
Filing Date	August 15, 2003
First Named Inventor	Williams et al.
Art Unit	3679
Examiner Name	E. Nicholson
Attorney Docket Number	22188/06727

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,736,008	05/1973	Crawford	
		US- 3,787,080	01/1974	Daniel	
		US- 6,345,845	02/2002	Johnston	
		US- 3,970,337	07/1976	Niemeyer	
		US- 4,005,824	02/1977	Becker et al.	
		US- 4,037,864	07/1977	Anderson et al.	
		US- 6,629,708	10/2003	Williams et al.	
		US- 4,230,349	10/1980	Normark	
		US- 4,235,461	11/1980	Normark	
		US- 4,361,283	11/1982	Hetherington et al.	
		US- 2004/0113429	06/2004	Williams et al.	
		US- 5,083,749	01/1992	Linderman et al.	
		US- 4,702,420	10/1987	Rath	
		US- 4,826,218	05/1989	Zahuranec	
		US- 4,915,427	04/1990	Zahuranec	
		US- 4,995,646	02/1991	Johnston et al.	
		US- 5,027,489	07/1991	Johnston	
		US- 5,074,599	12/1991	Wirbel et al.	
		US-			

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 1406039	04/2004	Swagelok		
		FR 757204	12/1933	Angelterre		
		FR 1092160	04/1955	Grande-Beaumont		
		FR 1170298	01/1959	St. Clair		
		GB 836002	06/1960	KAC Ltd.		
		GB 1130835	10/1968	Parker-Hannifin		

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***(Use as many sheets as necessary)***

Sheet	4	of	7
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Application Number	10/707,698
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First Named Inventor	Williams et al.
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Attorney Docket Number	22188/06727

[illegible]

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		GB 2032555	05/1980	Olov Magnus		
		GB 2080900	02/1982	Waverly		
		JP 5079586	03/1993	Sekisui		
		JP 3079892	04/1991	Miura Yoshihisa		
		JP 3229090	10/1991	Riyouden Serv.		
		JP 7055073	03/1995	NTN Corp.		

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Signature

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	5
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of 7

**Complete if Known**

Application Number	10/707,698
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Filing Date	August 15, 2003
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First Named Inventor	Williams et al.
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Art Unit	3679
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Examiner Name	E. Nicholson
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Attorney Docket Number	22188/06727
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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1 <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP 7110084	04/1995	Hitachi Metals		
		JP 8093975	04/1996	Hitachi Metals		
		JP 8145251	06/1996	Fuji Gokin		
		JP 8210567	08/1996	Hitachi Metals		
		NL 6710340	01/1968	Grassel		
		WO 89/09904	10/1989	Nords		

Examiner Signature		Date Considered	
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